

<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	10/019,408	ISHIBASHI ET AL.	
	Examiner	Art Unit	
	Frederick F. Krass	1614	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's communication dated March 23, 2004.
2. ☒ The allowed claim(s) is/are 1-4, 8-12 and 21-30.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date <u>4-14-04</u> .</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____.</li> </ol> |
|---|---|

### **Examiner's Amendment**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Solomon on 4-13-04.

The following changes have been made:

- 1) Claim 1, first line, immediately before "titanium" there has been inserted --- photocatalytic ---
- 2) Claim 1, second line, immediately before the comma there has been inserted - -- , based on the weight of said composition ---
- 3) Claim 1, second and third lines, the entire phrase "the titanium dioxide initiating photocatalytic action with light irradiation," has been deleted.
- 4) Claim 1, third line, immediately before "a" there has been inserted --- hydrogen peroxide or ---

5) Claim 1, third line, immediately before "generating" there has been inserted ---  
capable of ---

6) Claim 1, fourth line, the second comma has been deleted.

7) Claim 1, fifth line, immediately before the comma there has been inserted --- ,  
based on the weight of said composition ---

8) Claim 1, sixth line, immediately after the comma there has been inserted ---  
and ---

9) Claim 2, first line, immediately after "wherein" there has been inserted --- the --

10) Claim 2, second line, all three occurrences of "type" have been deleted.

11) Claim 3, second line, immediately after "compound" there has been inserted -  
-- capable of ---

12) Claim 3, third line, "hydrogen peroxide," has been deleted.

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13) Claim 4, first and second lines, "wherein the chemical compound generating" has been deleted and replaced by --- which includes ---

14) Claim 4, second and third lines, "in an aqueous solution is hydrogen peroxide" has been deleted.

15) Claim 7 has been canceled without prejudice thereto.

16) Claim 8, second line, immediately after "compound" there has been inserted -  
-- capable of ---

17) Claim 8, last line, immediately before the period ending the claim there has been inserted --- , based on the weight of said composition ---

18) Claim 11, second line, immediately after "compound" there has been inserted  
--- capable of ---

19) Claim 11, third line, "hydrogen peroxide," has been deleted.

20) Claims 12 and 22, second line of each claim, in each instance "wherein the [said] chemical compound generating" has been deleted and replaced by --- which includes ---

21) Claims 12 and 22, second and third lines of each claim, in each instance "in an aqueous solution is hydrogen peroxide" has been deleted.

22) Claim 23, second line, immediately before "titanium" at the beginning of the line there has been inserted --- photocatalytic ---

23) Claim 23, second line, immediately before the comma there has been inserted --- , based on the weight of said composition ---

24) Claim 23, second and third lines, the entire phrase "the titanium dioxide initiating photocatalytic action with light irradiation," has been deleted.

25) Claim 23, third line, immediately before "a" there has been inserted --- hydrogen peroxide or ---

26) Claim 23, third line, immediately before "generating" there has been inserted --- capable of ---

27) Claim 23, fourth line, the second comma has been deleted.

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28) Claim 23, fifth line, immediately before the comma there has been inserted ---  
, based on the weight of said composition ---

29) Claim 23, sixth line, immediately after the comma there has been inserted ---  
and ---

30) Claim 25, second line, "the" has been deleted.

31) In the specification, immediately below the title as the first line of the  
specification there has been inserted --- This application is a 371 of PCT/JP00/04397,  
filed 07/03/2000. ---

32) Claim 4, first line, "3" has been changed to --- 1 ---

33) Claim 12, second line, "11" has been changed to --- 2 ---

### **Correspondence**

Any inquiry concerning this communication or earlier communications from the  
examiner should be directed to Frederick F. Krass whose telephone number is 571-272-  
0580. The examiner's schedule is as follows:

Monday: 6:30-3:00PM;  
Tuesday: 10-6:30PM;  
Wednesday: off;  
Thursday: 10-6:30PM; and

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Friday: 10-6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seidel Marianne, can be reached on 571-272-0584. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Frederick Krass  
Primary Examiner  
Art Unit 1614

